



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 9043**  
Kazuhiro MOCHINAGA et al. : Docket No. 2003\_1343A  
Serial No. 10/667,465 : Group Art Unit 2641  
Filed September 23, 2003 :

FEATURE QUANTITY EXTRACTING  
APPARATUS

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application  
PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, **or**  
(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and  
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☒ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or  
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.


3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.
6. ☐ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Kazuhiro MOCHINAGA et al.

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January 11, 2005

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary.)

Date Submitted to PTO: January 11, 2005

ATPCKET NO.  
2003 1343ASERIAL NO.  
10/667,465APPLICANT  
Kazuo MOCHINAGA et al.FILING DATE  
September 23, 2003GROUP  
2641

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,163,765	12/2000	Andric et al.			
	AB	5,973,723	10/1999	DeLuca			
	AC	5,703,477	1/1998	Forbes et al.			
	AD						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AE	95/27976	10/1995	WO			Abstract
	AF	01/28240	4/2001	WO			Abstract
	AG	1 391 876	2/2004	EP			
	AH	36 34 750	4/1988	DE			

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AK	D. Fragoulis et al., "On the Automated Recognition of Seriously Distorted Musical Recordings," IEEE TRANSACTIONS ON SIGNAL PROCESSING, IEEE Inc. New York, U.S., vol. 49, no 4, April 2001 (4/2001), pp. 898-908, XP001200087, ISSN: 1053-587X
	AJ	T. Zhang et al., "Audio Content Analysis for Online Audiovisual Data Segmentation and Classification," IEEE TRANSACTIONS ON SPEECH AND AUDIO PROCESSING, IEEE Inc., New York, U.S., vol. 9, no. 4, May 2001 (5/2001), pp. 441-457, XP001164214, ISSN: 1063-6676
	AK	D. Li et al., "Classification of general audio data for content-based retrieval," PATTERN RECOGNITION LETTERS, NORTH-HOLLAND PUBL., Amsterdam, NL, vol. 22, no. 5, April 2001 (4/2001), pp. 533-544, XP004233004, ISSN: 0167-8655
	AL	TEXT OF ISO/IEC CD 15938-4, "Information Technology - Multimedia Content Description Interface - Part 4: Audio," ISO/IEC JTC1/SC29/WG11 NWXYZ, March 14, 2001 (3/14/2001), XP002304125,
	AM	J. Hansen et al., "Feature Analysis and Neural Network-Based Classification of Speech Under Stress," IEEE TRANSACTIONS ON SPEECH AND AUDIO PROCESSING, IEEE Inc. New York, U.S., vol. 4, no. 4, July 1996 (7/1996), pp. 307-312, XP000785307, ISSN: 1063-6676
	AN	A. Ghias et al., "Query By Humming Musical Information Retrieval in an Audio Database," PROCEEDINGS OF ACM MULTIMEDIA '95, San Francisco, November 5-9, 1995, New York, ACM, US, November 5, 1995 (11/5/1995), pp. 231-236, XP000599035, ISBN: 0-201-87774-0

EXAMINER

DATE CONSIDERED

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
2003\_1343ASERIAL NO.  
10/667,465LIST OF REFERENCES CITED BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
Kazuhiro MOCHINAGA et al.

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
	BC						
	BD						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BE						
	BF						
	BG						
	BH						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	BJ	B. Chakraborty et al., "Feature Subset Evaluation Using Fuzzy Measures," INTELLIGENT INFORMATION SYSTEMS, 1995, ANZIS-95, PROCEEDINGS OF THE THIRD AUSTRALIAN AND NEW ZEALAND CONFERENCE ON PERTH, WA, Australia, November 27, 1995, New York, NY, USA, IEEE, US, 1995, pp. 220-225, XP010295593, ISBN: 0-86422-430-3
	BJ	D. Politis et al., "An Audio Signatures Indexing Scheme for Dynamic Content Multimedia Databases," MELECON 2000, 10 <sup>TH</sup> MEDITERRANEAN ELECTROTECHNICAL CONFERENCE, IEEE, vol. 2, May 29, 2000 (5/29/2000), pp. 725-728, XP010517893
	BK	
	BL	
	BM	
	BN	

EXAMINER

DATE CONSIDERED